

Classification Changed to UNCLASSIFIED
By Authority of *Admin. CG-e*

This document consists of 1 pages.

No. 4 of 4 copies, Series a

Classification Authority
By R. V. Anderson, Analysas Corp. 12-21-90 Date
R.B. Martin 1-15-91

RHTG # 26,834
BOX # 59 #215

To: Mr. G. W. Roberts
From: Dr. Barnett F. Dodge
Date: May 31, 1945

Product Assay (v)

It is the understanding of this Division that S-50 is still acting under instructions to produce material assaying 1.20 and discard a waste assaying 0.95. Studies have been under way for some time, both by this Division and by engineers and scientists attached to the office of the District Engineer, which indicate that S-50 may make its best contribution to the entire program of the District by operating to produce at a lower enhancement. However, in the absence of any definite instructions to the contrary, we should aim at a product assaying 1.20, and milking should be controlled accordingly.

It is unavoidable that some material appreciably below the par of 1.20 will be produced and a certain amount of this can be blended with material that runs somewhat above par to produce an average par product. However, blending is inherently an inefficient process and should be kept to a minimum. Unless some standard is set, there is a natural tendency to cover deficiencies in operation by blending into product anything that is taken off of the top of the racks regardless of its assay. We believe that a definite standard should be fixed and adhered to, of what shall be considered product. It is recommended that this limit be set at an assay of .5 on the present par basis. All material assaying below this figure is to be regarded as raw material and used in the first instance to fill the pots of the Dole Method of product removal. If there is more than can be used for this purpose at the present time, the excess should be stored with the thought that changing conditions will later reveal the most efficient way to make use of it.

CC: Mr. R. S. Lanie
Captain M. J. Barnett

Barnett F. Dodge
Technical Director

defence to the national
the Espion-
transmission
an unauthorized
by law.